ORDER NO. MD0603106C3

Service Manual

Speaker System

SB-PC41GN

Colour

(S)... Silver Type

SB-PC41

SPECIFICATIONS

	Specification
Type	1 way, 2 speaker system (Bass-ref.)
Speaker unit	Impedance 6
Full range	6.5 cm Cone type x 2
Input power (IEC)	220 W (Max)
Output sound pressure level	85 dB/W (1.0 m)
Frequency range	95 Hz - 40 kHz (-16 dB) 110 Hz - 36 kHz (-10 dB)
Dimensions (W x H x D)	270 mm x 92 mm x 95.4 mm
Mass	1.2 kg

*Rating with low-cut filter equipped amplifier

Notes :

1. Specifications are subject to change without notice. / Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

System : SC-HT60GN-S — Music Center System : SA-HT60GN-S
Front Speaker : SB-FS61GN-S
Surround Speaker : SB-FS62GN-S
Center Speaker : SB-PC41GN-S
Subwoofer : SB-W40P-S

System : SC-HT60EE-S — Music Center System : SA-HT60EE-S
Front Speaker : SB-FS61GN-S
Surround Speaker : SB-FS62GN-S
Center Speaker : SB-PC41GN-S
Subwoofer : SB-W40P-S

SB-FSC61GN-S consists of SB-FS61GN-S(X2), SB-FS62GN-S(X2) & SB-PC41GN-S(X1)

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

1. Assembling and Disassembling

"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

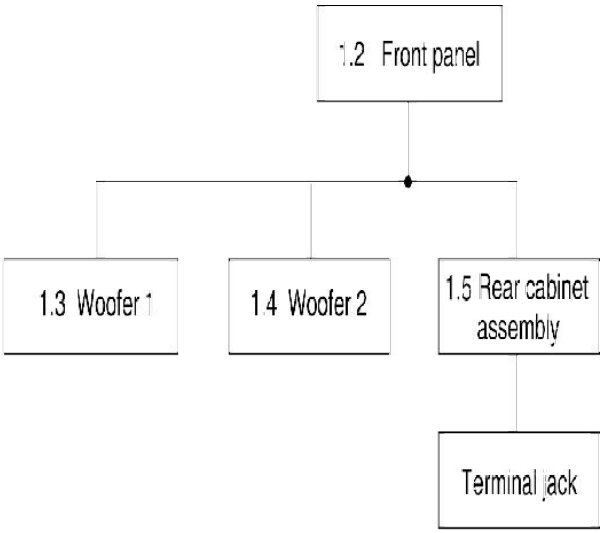
1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures.**
   Special reassembly procedures are described only when required.
3. **Select items from the following index when checks or replacement are required.**
4. **Refer to the Parts No. on the page of "Parts Location and Replacement Parts List" (Section 5), if necessary.**

Below is the list of disassembly sections

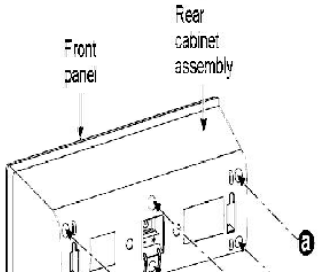
- **Disassembly of Front panel**
- **Disassembly of Woofer 1**
- **Disassembly of Woofer 2**
- **Disassembly of Terminal jack**

1.1. Disassembly flow chart

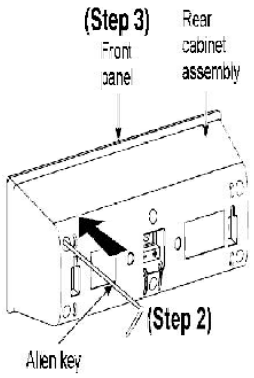
The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.
To assemble the unit, reverse the steps shown in the chart as below.



1.2. Disassembly of Front panel



Step 1: Remove 6 screws from the rear cabinet assembly.

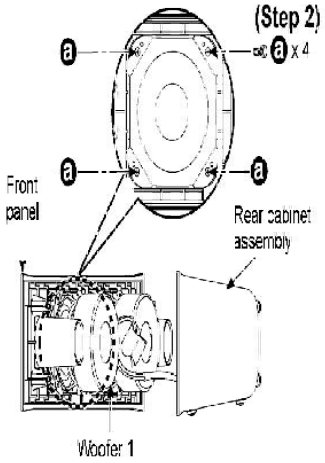


Step 2: Insert an allen key into the top hole of the rear cabinet assembly and push the front panel assembly as arrow shown.
Step 3: Detach front panel unit.

1.3. Disassembly of Woofer 1

Follow (step 1) to (step 3) in Item 1.2.

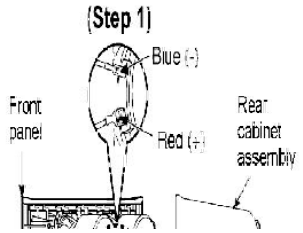
Step 1: Detach the (+) black and (-) gray wires.



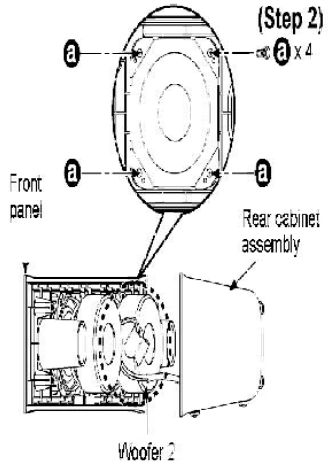
Step 2: Remove 4 screws.

1.4. Disassembly of Woofer 2

Follow (step 1) to (step 3) in Item 1.2.



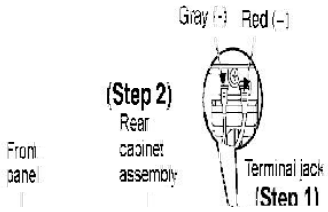
Step 1: Detach the (+) red and (-) blue wires.



Step 2: Remove 4 screws.

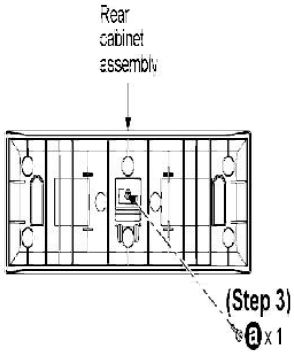
1.5. Disassembly of Rear cabinet assembly

Follow (step 1) to (step 3) in Item 1.2.

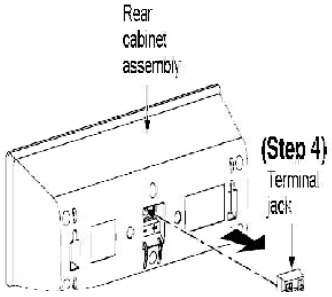


Step 1: Detach the (+) red and (-) gray wires.
Step 2: Remove the rear cabinet assembly.

- Disassembly of terminal jack.



Step 3: Remove 1 screw.



Step 4: Remove the terminal jack.

2. Connection of the Speaker Cables

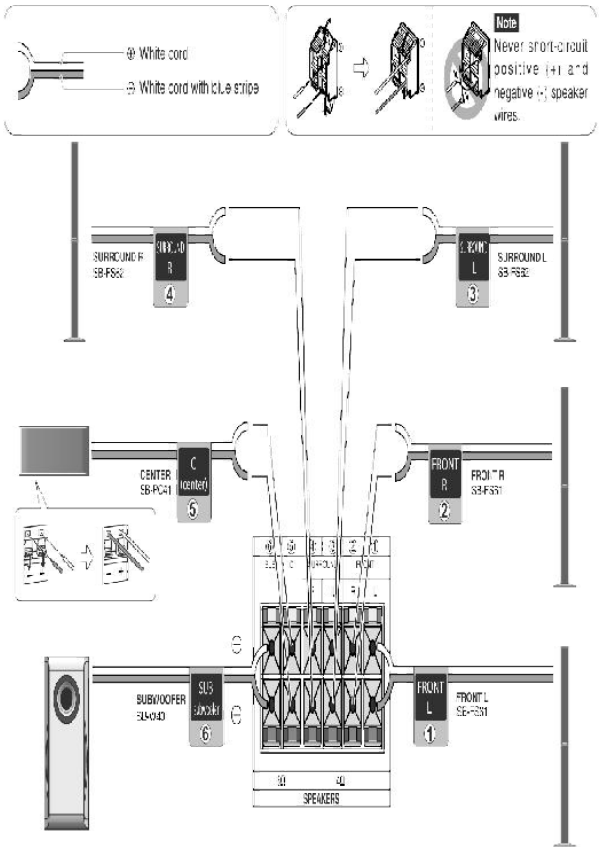
- Be sure to connect speaker cables before connecting the AC power supply cord.

- The load impedance of any speaker used with this unit must be 6 .

- Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.

1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)

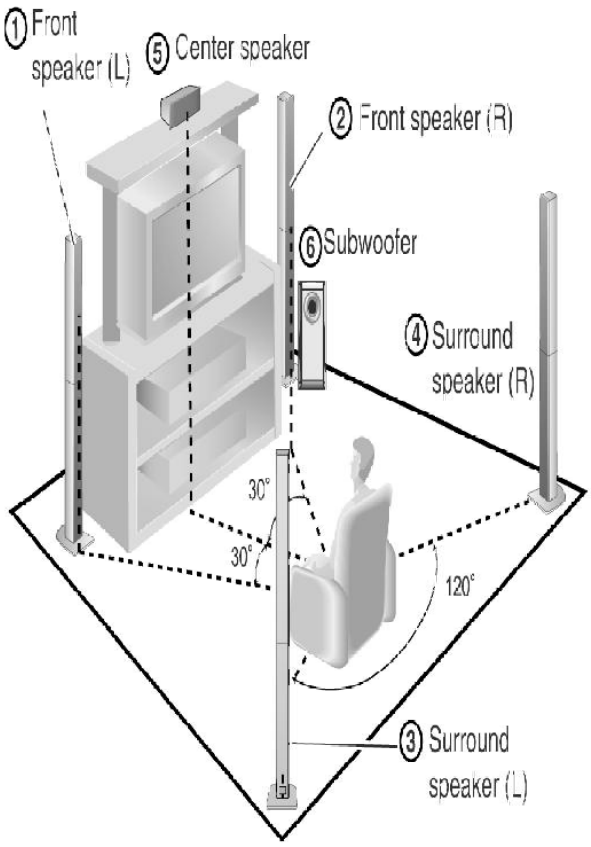
2. Insert the wire to the rear panel of the unit and close the lever.



Notes :

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.

- Be sure to connect only positive (white) wires to positive (+) terminals and negative (blue) wires to negative (-) terminals.
Incorrect connection can damage the speakers.



Positioning the speakers

How you set up your speakers can affect the bass and the sound field.

Note the following points:

- Place the speakers on flat secure bases.

- Placing speakers too close to floors, walls, and corners can result in excessive bass. Cover walls and windows with a thick curtains.

Note

Keep your speakers at least 10 mm away from the system for proper ventillation.

Place the front, center and surround speakers at approximately the same distance from the seating position.

The angles in the diagram are approximate.

Front speakers (left, right)

Place on the left and right of the TV at seated ear height so that there is good coherency between the picture and sound.

Center speaker

Place underneath or above the center of the TV. Aim the speaker at the seating area.

Surround speakers (left, right)

Place on the side of or slightly behind the seating area, higher than ear level.

Subwoofer

The subwoofer can be placed in any position as long as it is at a reasonable distance from the TV.

Note that some experimentation can yield the smoothest low frequency performance. Placement near a corner can increased the apparent output level, but can result in unnatural bass.

If irregular colouring occurs on your television

The supplied speakers are designed to be used close to a television, but the picture may be affected with some televisions and setup combinations.

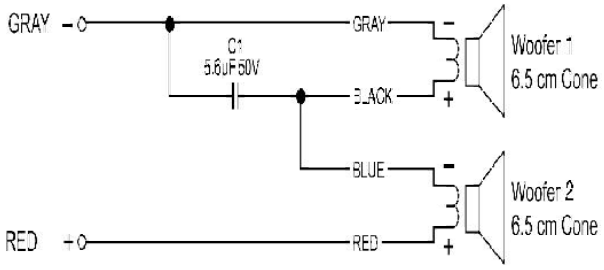
If this occurs, turn the television off for about 30 minutes

The television's demagnetising function should correct the problem. If it persists, move the speakers further away from the television.

Caution

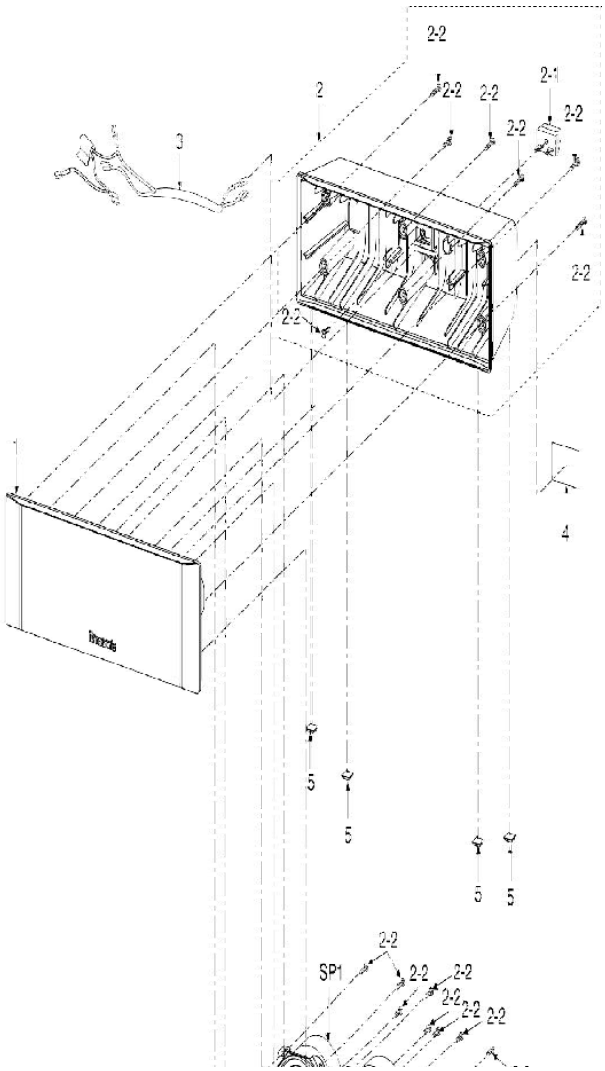
- The main unit and supplied speakers are only to be used as indicated in this manual. Failure to do so may lead to damage to the receiver and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage occurs or if a sudden change in performance is apparent.
- Do not attempt to attach these speakers to walls using methods other than those described in this manual.

3. Connection of Wiring Diagram



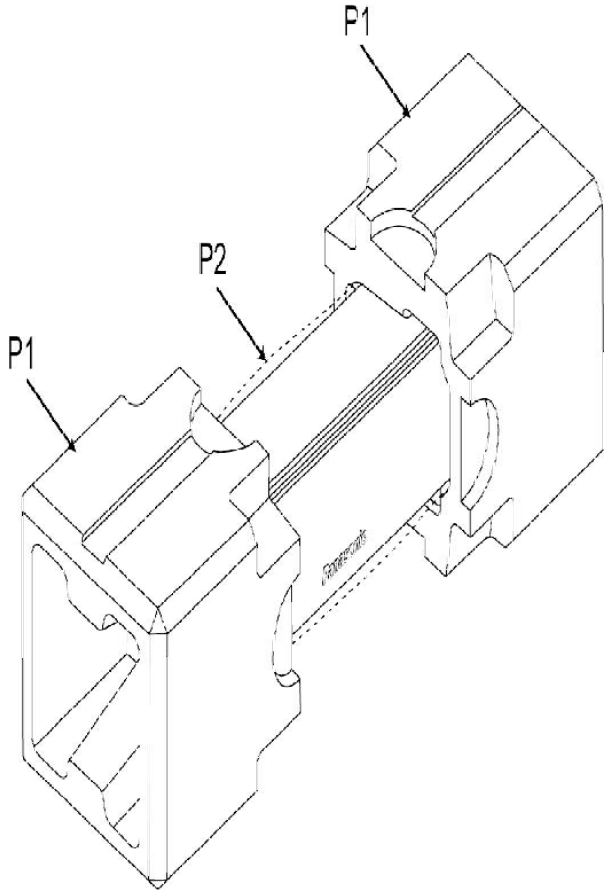
4. Exploded view

4.1. Cabinet Parts Location



4.2. Packaging

Note: The diagram below shows the packaging for SB-PC41GN-S.



5. Replacement Parts List

Notes :

- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] markings in the Remarks columns indicates parts supplied by PAVCSG.

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RYPX0124-H	FRONT PANEL ASS'Y	[M]
2	RKKX0319-S	REAR CABINET ASS'Y	[M]
2-1	K4BC02B00017	TERMINAL JACK	[M]
2-2	XTB3+10GFJ	SCREW	[M]
3	REEX0573	TRANSIT WIRE	[M]
4	RGNV0202-S	SPEC LABEL	[M]
5	RKA0072-KJ	LEG CUSHION	[M]
		CAPACITORS	
C1	ECA1HAY5R6S	5.6uf 50V	[M]
		PACKING MATERIALS	
P1	RPNV0111	POLYFOAM	[M]
P2	RPFX0110	MIRAMAT	[M]
		SPEAKER	
SP1	EAS65P122C	WOOFER UNIT	[M]

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